

Title (en)

Biaxially oriented polyamide resin film and production thereof

Title (de)

Biaxial-orientierte Polyamidfolie und Verfahren zu ihrer Herstellung

Title (fr)

Film en polyamide orienté biaxialement et procédé pour sa fabrication

Publication

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Application

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Priority

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Abstract (en)

[origin: EP0719631A2] A biaxially oriented polyamide resin film superior in slip characteristics and transparency, which comprises a polyamide resin containing surface-forming fine particles in a proportion of 0.03-0.80% by weight of the film, the film surface having protrusions formed by the fine particles contained in a proportion of 200-1,000 protrusions/mm<2>, and the area proportion of voids formed on the film surface being not more than 0.1%. The present invention provides a biaxially oriented polyamide resin film strong and superior in resistance to pinhole, laminating property and appearance, which is free of curling or peeling of laminated films (delamination) when subjected to boiling water treatment and which has superior properties as a packing material, particularly, a packing bag for retort-packed food.

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IPC 8 full level

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Citation (search report)

- [X] EP 0392025 A1 19901017 - KOHJIN CO [JP]
- [X] EP 0347646 A2 19891227 - TORAY INDUSTRIES [JP]
- [A] GB 2179292 A 19870304 - MITSUBISHI MONSANTO CHEM

Cited by

US8137817B2; EP1872808A1; US8354159B2; US8062740B2; US2007259164A1; EP1754588A4; EP1876007A4; US8465831B2; WO2005118262A1; TWI404750B; TWI402158B; TWI395659B; TWI402168B

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